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| ***Heaven’s Light is Our Guide*** |
| **Rajshahi University of Engineering & Technology** |
| ***Department of Computer Science & Engineering*** |
| **4th Year 1st Semester B.Sc. Engineering Examination** |
| **Course No:** CSE 4106 |
| **Course Title:** Sessional Based on CSE 4105 |
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| **Serial No.** | **Name of the Experiment** |
| **1.** | 1. Write and execute programs to perform the following operations on images. At first, create one image with white background of size (500 X 500) and put a circle of black color on that image as foreground. Secondly, create another image with white background of size (500 X 500) and put a rectangle of red color as foreground.  * **Perform the addition operation between two images.** * **Perform the subtraction operation between two images.** * **Perform the multiplication operation between two images.** * **Perform the division operation between two images.** * **Perform the logical operations (AND, OR and NOT) between two images.**  1. Write a program to read a gray scale image and calculate it’s mean intensity value. Now, increase the intensity value by a constant range and calculate the new mean intensity value. 2. Write a program to perform the following operation:   **Sample Input:**    **Sample Output:**     1. Write a program to perform the following operation:   **Input image:**    **Reference Image:**    **Output Image:** |